

WEEKLY GREAT LAKES WATER LEVEL UPDATE

August 08, 2014

WEATHER CONDITIONS

Scattered showers and thunderstorms were prevalent across the Great Lakes basin to start this week, with the heaviest rainfall occurring in the Lake Michigan and Lake Erie basins. By Wednesday, high pressure built into the region and allowed for sunny skies and seasonable temperatures. Very nice weather is expected through the end of this week and into the weekend.

LAKE LEVEL CONDITIONS

Lakes Superior and Michigan-Huron are 9 and 15 inches, respectively, above their levels of a year ago. Lakes St. Clair and Erie are 9 and 3 inches, respectively, above what it was at this time last year, while Lake Ontario is an inch lower than last year's level. Lakes Superior and Michigan-Huron are each projected to remain steady over the next month. Lakes St. Clair, Erie and Ontario, are predicted to fall 2, 4, and 7 inches, respectively over the next 30 days. See our [Daily Levels web page](#) for more water level information.

FORECASTED MONTHLY OUTFLOWS/CHANNEL CONDITIONS

Lake Superior's outflow through the St. Mary's River is forecasted to be well above average for the month of August. Lake Michigan-Huron's outflow into the St. Clair River and Lake St. Clair's outflow into the Detroit River are predicted to be near average in August. In addition, the outflow of Lake Erie into the Niagara River and Lake Ontario's outflow into the St. Lawrence River are projected to be above average in August.

ALERTS

Official records are based on monthly average water levels and not daily water levels. Users of the Great Lakes, connecting channels and St. Lawrence River should keep informed of current conditions before undertaking any activities that could be affected by changing water levels. Mariners should utilize navigation charts and refer to current water level readings.

	SUPERIOR	MICH-HURON	ST. CLAIR	ERIE	ONTARIO
Forecasted Water Level for Aug 8, 2014 (feet)	602.59	578.97	575.00	572.11	246.13
Chart Datum (feet)	601.10	577.50	572.30	569.20	243.30
Difference from chart datum (inches)	+18	+18	+32	+35	+34
Difference from average water level for Jul 8, 2014 (inches*)	0	+1	0	-1	-4
Difference from average water level for Aug 8, 2013 (inches*)	+9	+15	+9	+3	-1
Difference from long-term monthly average of Aug (inches)	+6	-3	+4	+5	+6
Difference from highest monthly average of record for Aug (inches)	-7	-36	-25	-22	-22
Year of highest recorded monthly mean	1952	1986	1986	1986	1947
Difference from lowest monthly average of record for Aug (inches)	+26	+28	+33	+37	+40
Year of lowest recorded monthly mean	2007	1964	1934	1934	1934
Projected change in levels by Sep 8, 2014 (inches)	0	0	-2	-4	-7

ALL DATA SHOWN IN THIS SUMMARY ARE REFERENCED TO IGLD 1985

*VALUES FOR SPECIFIC DAY ARE BASED ON 3-DAY DAILY AVERAGE AROUND SPECIFIED DATE

LONG TERM AVERAGE PERIOD OF RECORD, 1918-2013

FORECASTED INFORMATION PROVIDED BY
Department of the Army
Detroit District, Corps of Engineers
[Detroit District Home](#)
1-888-694-8318 ext. 1

RECORDED DATA (1918 – present)
provided by
[NOAA, Great Lakes Online](#)
(301) 713-9596

FOR MORE INFORMATION VISIT
[Detroit District Great Lakes Homepage](#)
[International Joint Commission](#)
[Great Lakes Information Network](#)